



# HEALTH AND SAFETY PLAN ADDENDUM #1 MATTEO BROTHERS RECYCLING REMEDIAL ACTION

Background: Sierra Environmental Services, Inc. has contracted with Matteo Brothers Management to conduct remedial activities on the southern portion of their property and an adjacent property that is currently a mobile home community.

A portion of the work includes remediation of lead-impacted soil beneath and around a mobile home located at location B-13. EPA has received previous analytical results showing the levels of contamination in the soil.

On June 26, 2006 a remedial action was attempted utilizing a "super sucker" vacuum truck and removing the impacted soil into an enclosed vacuum container approved for hazardous waste transport. The remedial action was not successful due to excessive concrete and roots from adjacent trees.

The soil that remained showed elevated levels of lead contamination utilizing an XRF scanner that has been described in various documents approved by EPA previously.

Action: Sierra Environmental proposes to complete remedial activities by raising the mobile home to a height of 4 ½ to 5 feet above existing grade utilizing a hydraulic jacking system. The plan includes stabilizing the mobile home and slowly increasing the height utilizing the jacking system. As the height increases, twelve linear foot wood sections measuring 6 inches by 6 inches in diameter will be inserted at five or six sections around the trailer.

Utilities will be secured as needed.

Once the trailer has been raised and stabilized, a mini-excavator will be utilized to remove the soil under the mobile home and the soil will be placed in a roll-off for transport and disposal.

The area beneath the mobile home will be backfilled to the original grade using clean fill.

The mobile home will then be lowered and leveled in accordance with industry practices. The utilities will be returned to service.

The skirting will be returned to their original condition and any damage caused by the action will be repaired.

Attached is an addendum to the approved Health and Safety Plan for your review and approval.

Work is scheduled to begin on Sunday July 2 or Monday July 3, 2006.

Respectfully, submitted by:

Scott Welsh CHMM

CEO, Sierra Environmental Services, Inc.

#### HAZARD IDENTIFICATION AND CONTROL

The hazard evaluation is based upon a review of work tasks to be accomplished in conjunction with safety requirements. This analysis is to be included as part of the approved site Health and Safety Plan written by Berner Construction and approved by EPA.

## Site Security

Barriers, including fences, gates, cones, and caution tape must be maintained at all times to restrict public site access. Should any work interfere or potentially cause injury to the public, the danger shall be eliminated immediately.

### Ambient Air Analysis

During daily activities, the Project Safety Monitor will monitor the work area to ensure that the level of protection selected is adequate and to establish background levels. Hand-held Air monitoring will be accomplished at the work zone and in personnel breathing zone.

Training: In accordance with 29 CFR §1910.120 & 40 CFR Part 58

#### Excavation

Heavy equipment operators will inspect and maintain equipment as specified. Prior to excavation, all utilities shall be secured or moved so as not to be a hazard to excavation. Employees working near excavations will be made aware of the extent of excavation during daily safety briefs. **Training**: Site Specific

## Working Beneath Raised Mobile Home

No personnel will enter the excavation beneath the raised mobile home unless all non-entry options are attempted. Personnel who must work under the trailer will meet personal protective equipment requirements to include a half-face air purifying respirator, Tyvek (or equivalent outer covering) suit, nitrile (or equivalent) overboots, and nitrile outer gloves.

An inspection of the stability of the raised mobile home will be conducted by a competent person prior to entry and any discrepancies will rectified prior to entry.

Entry operations will be conducted in accordance with regulations set forth in 29 CFR § 1926.651(i)(1). **Training:** In accordance with 29 CFR §1910.120 and other applicable standards as noted.

# Utilities

As stated prior, all utilities will be secured in accordance with existing regulations and will be returned to service upon work completion.